Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work:-Improvements to Roads ,C.C Drains and Covering Slab at Coconut Garden Roads And Krishnegowda Layout & Surrounding Area in ward No 15

Sl No	Description of Items	Unit	No	L	B	D	Est .Cost Rs.100.00 Lakhs Qty	Rate	Amount
1	KSSB 300-1 Earthwork excavation by manual means for roads, drains and similar works in ordinary soil excavated surface levelled and sides neatly dresses, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Morth/Chapter 3 (PWD SR2018-19 page No.143, item No.19.1)								
	Krishnegowda Nagara Main Road L/S	cum	1	118.20	1.10	0.90	117.02		
	Krishnegowda Nagara Main Road R/S		1	120.00	1.10	0.90	118.80		
			1	88.50	1.10	0.90	87.62		
	Krishnegowda Nagara First Cross		1	132.60	1.10	0.90	131.27		
	LHS		1	92.00	1.10	0.90	91.08		
			1	94.00	1.10	0.90	93.06		
	Cross Road		1	59.50	1.10	0.90	58.91		
			1	54.90	1.10	0.90	54.35		
	Krishnegowda Nagara Second C		2	91.00	1.10	0.90	180.18		
	Clverts		1	6.00	1.50	1.20	10.80		
			1	4.60	1.50	1.20	8.28		
			1	5.70	1.50	1.20	10.26		
			1	6.20	1.50	1.20	11.16		
			1	4.80	1.50	1.20	8.64		
							981.42	**207.60**	**203743.41**
2	KSRRB M2100-10. Providing and Laying Plain cement concrete 1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 (PWD SR 2018-19, Page No.222, Item No. 27.18)								
	Krishnegowda Nagara Main Road	cum	1	118.20	0.90	0.15	15.96		
	Krishnegowda Nagara Main Road R/S		1	120.00	0.90	0.15	16.20		
			1	88.50	0.90	0.15	11.95		
	Krishnegowda Nagara First Cross		1	132.60	0.90	0.15	17.90		
	LHS		1	92.00	0.90	0.15	12.42		
			1	94.00	0.90	0.15	12.69		
	Cross Road		1	59.50	0.90	0.15	8.03		
			1	54.90	0.90	0.15	7.41		
	Krishnegowda Nagara Second Cross		2	91.00	0.90	0.15	24.57		
	Clverts		1	6.00	1.50	0.15	1.35		
			1	4.60	1.50	0.15	1.04		
			1	5.70	1.50	0.15	1.28		
			1	6.20	1.50	0.15	1.40		
			1	4.80	1.50	0.15	1.08		

	CC Roads								
	Main Road		1	88.50	3.10	0.15	41.15		
	Cross Road LHS		1	92.00	4.00	0.15	55.20		
							229.62	**5421.9**	**1245001.077**
3	Proveding and Laying plain reinforced cement concrete for side drains using m20 nominul mix concrete with OPC cement 300kgs. With 20mm and down size ganite metal course aggregates @0.69cum and fine aggregates @0.43cum machine mixed,well compacted for walls and bottom including centring,shuttring,cost of materails, HOM of machinaries. Complete Excluding cost of steel asper MORTH Specification no1500,1700,2200. Wall And Bottom thickness 15cm KSSRB Page No 265 Item No 37.59 and 37.59.2								
	Drain Bed								
	Krishnegowda Nagara Main Road L/S	**cum**	1	118.20	0.90	0.15	15.96		
	Krishnegowda Nagara Main Road R/S		1	120.00	0.90	0.15	16.20		
			1	88.50	0.90	0.15	11.95		
	Krishnegowda Nagara First Cross		1	132.60	0.90	0.15	17.90		
	LHS		1	92.00	0.90	0.15	12.42		
			1	94.00	0.90	0.15	12.69		
	Cross Road		1	59.50	0.90	0.15	8.03		
			1	54.90	0.90	0.15	7.41		
	Krishnegowda Nagara Second Cross		2	91.00	0.90	0.15	24.57		
	Clverts		1	6.00	1.50	0.15	1.35		
			1	4.60	1.50	0.15	1.04		
			1	5.70	1.50	0.15	1.28		
			1	6.20	1.50	0.15	1.40		
			1	4.80	1.50	0.15	1.08		
	Sides								
	Krishnegowda Nagara Main Road L/S	**cum**	2	118.20	0.15	0.60	21.28		
	Krishnegowda Nagara Main Road R/S		2	120.00	0.15	0.60	21.60		
			2	88.50	0.15	0.60	15.93		
	Krishnegowda Nagara First Cross		2	132.60	0.15	0.60	23.87		
	LHS		2	92.00	0.15	0.60	16.56		
			2	94.00	0.15	0.60	16.92		
	Cross Road		2	59.50	0.15	0.60	10.71		
			2	54.90	0.15	0.60	9.88		
	Krishnegowda Nagara Second Cross		4	91.00	0.15	0.60	32.76		
	Clverts		2	6.00	0.20	1.20	2.88		
			2	4.60	0.20	1.20	2.21		
			2	5.70	0.20	1.20	2.74		
			2	6.20	0.20	1.20	2.98		
			2	4.80	0.20	1.20	2.30		
	Clvert Slab		1	6.00	1.50	0.25	2.25		
			1	4.60	1.50	0.25	1.73		
			1	5.70	1.50	0.25	2.14		
			1	6.20	1.50	0.25	2.33		
			1	4.80	1.50	0.25	1.80		
							326.12	**7070.20**	**2305730.09**
4	KSRRB M 100-6. Crushing of stone boulders of 150 mm size in an integrated stone crushing unit of 200 tonnes per hour capacity comprising of primary and secondary crushing units, belt conveyor and vibrating screens to obtain stone aggregates of 13.2mm nominal size complete. (PWD SR 2018-19, Pg.No.136, It.no.17.8)								
	For CC Drain Sides								

	Krishnegowda Nagara Main Road L/S	cum	1	118.20	0.10	0.50	5.91		
	Krishnegowda Nagara Main Road		1	120.00	0.10	0.50	6.00		
			1	88.50	0.10	0.50	4.43		
	Krishnegowda Nagara First Cross		1	132.60	0.10	0.50	6.63		
	LHS		1	92.00	0.10	0.50	4.60		
			1	94.00	0.10	0.50	4.70		
	Cross Road		1	59.50	0.10	0.50	2.98		
			1	54.90	0.10	0.50	2.75		
	Krishnegowda Nagara Second Cross		2	91.00	0.10	0.50	9.10		
	Clverts		1	6.00	0.10	0.80	0.48		
							47.57	**760.02**	**36150.35**
5	KSRRB M2200-6. Providing T.M.T Reinforcement for R.C.C Work including straightening,bending,cutting,hooking, placing in position, lapping and/ or welding whereever required , tying with binding wire and anchoring to the adjoining members whereever necessary complete as per design(lap, hooks and wastage shall not be measured and paid) cost of materials, labour,HOM complete as per specification MORTH Specification No.1600 & 2200 (PWD SR 2018-19, Pg.No.229, It.no.28.8.2)								
	For Drain				302.78	**55.00**	16652.9		
	For Clverts				23.34	**75.00**	1750.5		
							18403.40		
							18.40	**72326.98**	**1331062.34**
6	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 100mm C/C both ways cost,transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc,complete with all leads and lift conveyance charges,labour charges inclusive of cost of cost of all materials								
	Krishnegowda Nagara Main Road L/S	cum	1	118.20		0.90	106.38		
	Krishnegowda Nagara Main Road R/S		1	120.00		0.90	108.00		
			1	88.50		0.90	79.65		
	Krishnegowda Nagara First Cross		1	132.60		0.90	119.34		
	LHS		1	92.00		0.90	82.80		
			1	94.00		0.90	84.60		
	Cross Road		1	59.50		0.90	53.55		
			1	54.90		0.90	49.41		
	Krishnegowda Nagara Second Cross		2	91.00		0.90	163.80		
			1	60.00		0.90	54.00		
			1	55.00		0.90	49.50		
			2	70.00		0.90	126.00		
			1	40.00		0.90	36.00		
	Miss Slab		295	0.60		0.90	159.30		
							1272.33	**2208.00**	**2809304.64**

7	Constructing un-reinforced, plain cement concrete for pave... ing Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler,soparation membrane of impermiable plastic sheet of 125 micron, sealant primer,joint sealant,admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. (PWD SR 2018-19, P.No.176, I.No.22.6.1)								
	CC Road	**Cum**	1	88.50	3.10	0.15	41.15		
			1	92.00	4.00	0.15	55.20		
							96.35	**5210.96**	**502089.02**
							Sub Total		**8433080.94**
14	**GST12%**								**1011969.71**
15	PMC Charge 2%								**168661.62**
16	**KRIDL Charges 4.5%**								**379488.64**
17	**Rounding off**								**6799.09**
18							**Grand Total**		**10000000.00**

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2018-19
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.
5 This work is not included in any other estimate.

Consultant
For Avan... Infrastructure Solutions

AVANI INFRASTRUCTURE SOLUTIONS BANGALORE

Asst Engineer
Ward No-15

Asst Executive Engineer
T Dasarahalli Sub-Division
BBMP

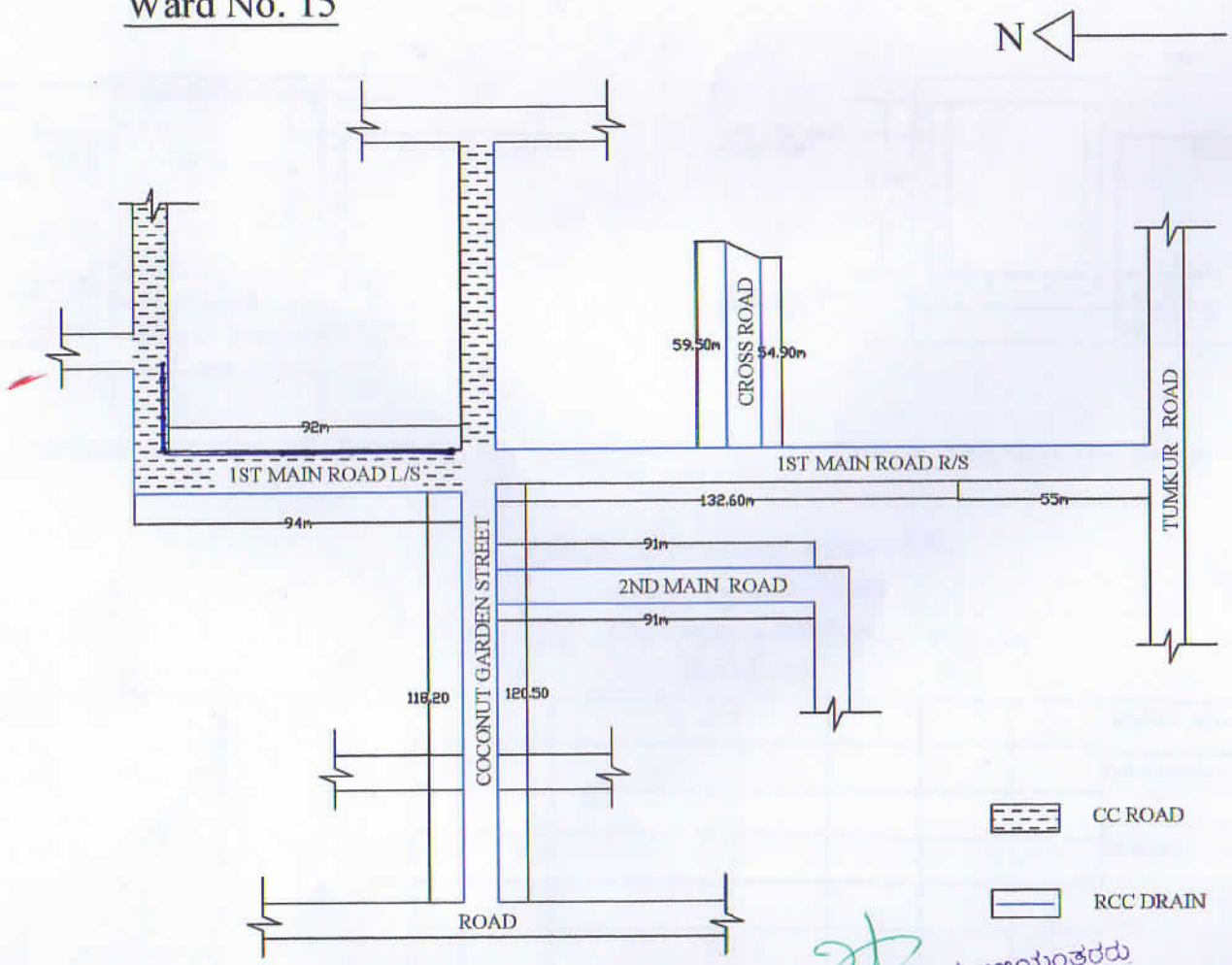
Executive Engineer
Dasarahalli Zone
BBMP

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

ನಂ. EE/DD/AS/165/18-19 ದಿನಾಂಕ : 19/02/2019
ರೂ. 100.00 Lakhs/- (Rs Hundred Lakhs only)
...ಬಾದು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀ...
ಕಾರ್ಯಪಾಲಕ ಅಭಿ...
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹ...
ದಾಸರಹಳ್ಳಿ ವಲಯ, ...

ನಂ. CE/DZ/TS/17...18-19 ದಿನಾಂಕ : 20/02/2019
ರೂ. 100.00 Lakhs/- (Rs Hundred Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Improvements to Roads, CC Drains and Covering slab at Coconut Garden Roads and Krishnegowda Layout & Surrounding area in Ward No. 15



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು